

WE CLAIM:

1. A computer-implemented method for digital recording-based computer testing, comprising:

testing at least one electronic device having an output signal that comprises information that reflects the state of the electronic device;

recording the output signal;

storing in a database the recorded output signal using keys that are sufficient to uniquely identify the recorded output signal;

receiving a bug report containing information about anomalies encountered while testing the electronic device and wherein the bug report contains information that is sufficient to uniquely identify the recorded output signal; and

associating in the database the bug report with the recorded output signal using information in the bug report to locate a particular recorded output signal that corresponds with the bug report.

2. The method of claim 1, wherein the output signal is for a video display.

3. The method of claim 1, wherein the output signal is from a camera that captures video of the electronic device.

4. The method of claim 1, further comprising compressing the recorded output signal.

5. The method of claim 1, wherein a plurality of output signals from a plurality of the electronic devices are simultaneously recorded.

6. The method of claim 1, further comprising remotely accessing the particular recorded output signal and associated bug report.

7. A computer-readable medium encoded with instructions for executing the computer-implemented method of claim 1.
8. A system for digital recording-based computer testing, comprising:
  - means for testing at least one electronic device having an output signal that comprises information that reflects the state of the electronic device;
  - means for recording the output signal;
  - means for storing in a database the recorded output signal using keys that are sufficient to uniquely identify the recorded output signal;
  - means for receiving a bug report containing information about anomalies encountered while testing the electronic device and wherein the bug report contains information that is sufficient to uniquely identify the recorded output signal; and
  - means for associating in the database the bug report with the recorded output signal using information in the bug report to locate a particular recorded output signal that corresponds with the bug report.
9. The system of claim 9, wherein the output signal is for a video display.
10. The system of claim 9, wherein the output signal is from a camera that captures video of the electronic device.
11. The system of claim 9, further comprising means for compressing the recorded output signal.
12. The system of claim 9, further comprising means for recording a plurality of output signals from a plurality of the electronic devices simultaneously.
13. The system of claim 9, further comprising means for remotely accessing the particular recorded output signal and associated bug report.

14. A digital recording-based computer testing system, comprising:
  - at least one electronic device under test having an output signal that comprises information that reflects the state of the electronic device;
  - a digital recording server that is configured to record the output signal;
  - a database that is configured to store the recorded output signal using keys that are sufficient to uniquely identify the recorded output signal; and
  - a workstation that is configured to:
    - receive a bug report containing information about anomalies encountered while testing the electronic device and wherein the bug report contains information that is sufficient to uniquely identify the recorded output signal; and
    - associate the bug report with the recorded output signal using the database and information in the bug report to locate a particular recorded output signal that corresponds with the bug report.
15. The system of claim 14, wherein the output signal is for a video display.
16. The system of claim 14, wherein the output signal is from a camera that captures video of the electronic device.
17. The system of claim 14, wherein the digital recording server is further configured to compress the recorded output signal.
18. The system of claim 14, wherein the digital recording server is further configured to record a plurality of output signals from a plurality of the electronic devices under test simultaneously.
19. The system of claim 14, further comprising a second workstation that is configured to remotely access the particular recorded output signal and corresponding bug report.